



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,268	10/28/2003	Bert Meijer	930702.90595CIP	4714
26710	7590	03/16/2005	EXAMINER	
QUARLES & BRADY LLP 411 E. WISCONSIN AVENUE SUITE 2040 MILWAUKEE, WI 53202-4497			PEDDER, DENNIS H	
			ART UNIT	PAPER NUMBER
			3612	

DATE MAILED: 03/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



Office Action Summary	Application No.	Applicant(s)	
	10/695,268	MEIJER ET AL.	
Examiner	Art Unit		
Dennis H. Pedder	3612		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 01 March 2005.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-19 is/are pending in the application.
4a) Of the above claim(s) 6,8-12 and 17-19 is/are withdrawn from consideration.

5) Claim(s) 15 is/are allowed.

6) Claim(s) 1-5,7,13,14 and 16 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. ____ .
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____ .
5) Notice of Informal Patent Application (PTO-152)
6) Other: ____ .

DETAILED ACTION***Election/Restrictions***

1. Claims 6, 8-12, 17-19 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on September 17, 2004. Applicant admitted that claims 6 and 12 were not generic. Claim 8 as amended, requires a single check valve to block flow of fluid out of the at least two cylinders, a detail not present in elected figures 18-23 which has a check valve 216 for each cylinder, but is present in figure 13 which has a single valve 86 for both cylinders.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to

consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1-5, 7, 13-14, 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Delacollette et al. in view of Kosarzecki or The Hydraulic Handbook and further in view of the prior art as admitted by applicant.

Delacollette et al. has the slide out mechanism with double acting hydraulic actuators 30 fixed to body 11 with ram fixed to the slidable section and discloses that a flow divider may be provided to synchronize movement of the actuators.

Kosarzecki teaches that a flow divider for equalizing flow to two hydraulic motors may have a port at 39,41 in fluid communication with each motor. The Hydraulic Handbook teaches a pressure compensated flow divider with two spools in a cavity and pressure compensated ports.

Applicant admits on page 13, referring to the second embodiment of figures 18-23, that check valve provision is provided according to standard hydraulic circuit design parameters. As a result of this admission, check valve placement of this embodiment cannot be considered a patentable distinction.

It would have been obvious to one of ordinary skill to provide in Delacollette et al. a known prior art flow divider as taught by Kosarzecki or The Hydraulic Handbook in order to synchronize movement of the motor/rams, and further obvious to provide in this combination pilot operated check valves each connected to a hydraulic cylinder and in communication with another end of the cylinder as admitted by applicant as a standard design parameter. Motivation for such design is as a safety factor in preventing inadvertent movement of the

cylinders as outflow is not allowed until positive inflow is detected by the pilot line.

As to claim 3, see rollers at 29 of Delacollette et al..

As to claim 5, see spools 83, 85 , spool cavity 55 and fluid ports 71, 73 and 75 of Kosarzecki . See figure 2B .3.15 of The Hydraulic Handbook.

As to claim 17, the fluid flows through the ports.

Specification

5. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: The claim amendments of 3/1/2005 regarding the check valve function (claims 1,13) and the flow adjustment upstream and downstream (claim 15) appear to be without any specification support.

Allowable Subject Matter

6. Claim 15 is allowed.

Response to Arguments

7. Applicant's arguments filed 3/1/2005 have been fully considered but they are not persuasive. Please see the detailed rejection above.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hobbs details pilot controlled check valves.

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis H. Pedder whose telephone number is (703) 308-2178. The examiner can normally be reached on 5:30-2:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn D. Dayoan can be reached on (703) 308-3102. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Dennis H. Pedder
Primary Examiner
Art Unit 3612

31.0/05

DHP
3/10/2005